

April 12, 2011

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, NW  
Washington, DC 20554

Re: Notice of Ex Parte Communications: PS Docket No. 10-255

Dear Ms. Dortch:

This is to notify you, pursuant to Section 1.1206 of the Commission's Rules, that on April 8, 2011 Maurice Tosé, CEO of TeleCommunication Systems, Inc. (TCS); Tim Lorello, SVP Sales and Marketing TCS; Mark Titus, Vice President Carrier Software TCS; and Kim Scovill, Senior Director Government Relations TCS met with Admiral James Arden Barnett, Jr., Chief of the Public Safety and Homeland Security Bureau connection with the above-referenced proceedings.

TCS' representatives reiterated the topics contained in its filing in PS Docket 10-255. TCS's representatives described a a prototype of a proposed end-to-end SMS to 9-1-1 communications systems that would permit any cell phone user with texting capabilities to send a text message to emergency services personnel. TCS noted that SMS to 9-1-1 is described as a Next Generation (NextGen) emergency service and is the subject of both public and industry demand for introduction. The system described by TCS would meet that demand.

However, as explained in detail in its filing, TCS reiterated that introduction of such a service would be delayed if not prevented from being commercially deployed due to lack of an Intellectual Property (IP) rights solution regarding SMS to 9-1-1. Vendors, who provide such solutions, would be concerned that deployment of their invention would only make them the target of unwarranted IP litigation from third-party patent aggregators who are not public safety vendors and acquire patents only for the purpose of licensing through litigation. TCS requested that the FCC consider development of an IP policy, consistent with its past efforts with other technologies, to solve the IP issue so that innovative NextGen services could become available to help protect citizens from both emergency and homeland security threats.

In the course of the discussion, Mr. Titus reviewed the attached slides and activated a live demonstration PSAP web-based portal to show how, in real time with real cellular phones, a prototype location based SMS to 9-1-1 system would work. Mr.

Titus demonstrated how an actual SMS text message sent to a simulated 9-1-1 number would be identified and routed, based on the sender's location, how the message would be processed by the Public Service Answering Point (PSAP) receiving the text, how the PSAP could respond to the message, and the location data available to the PSAP operator.

No documents were left behind except for a copy TCS' previously submitted comments in PS Docket No. 10-255. Please feel free to contact the undersigned if you have any questions.

Respectfully submitted,

**STINSON MORRISON HECKER LLP**

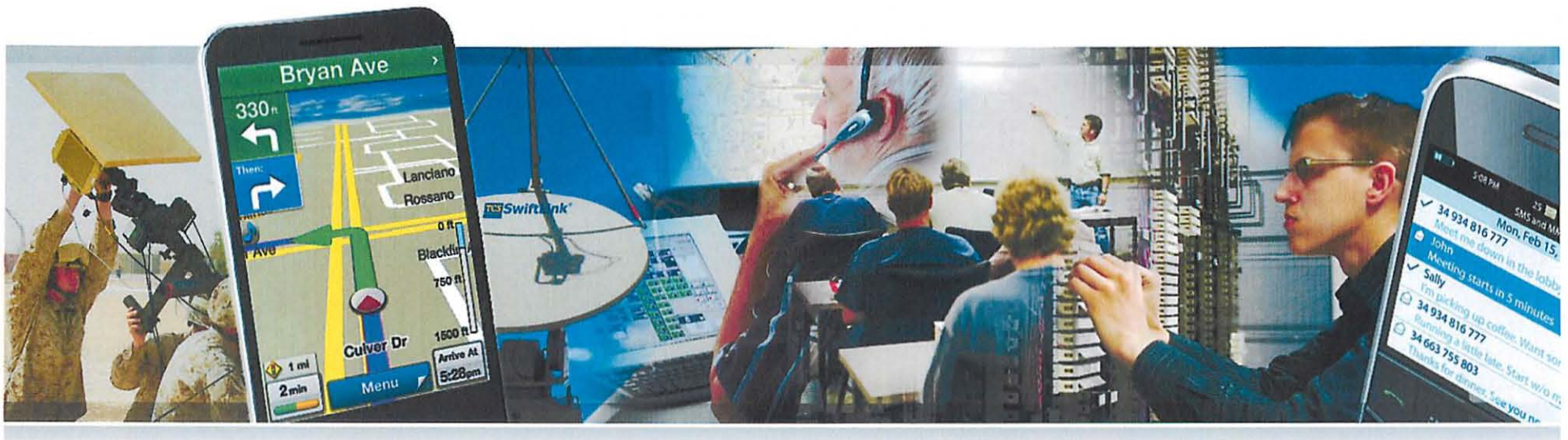
A handwritten signature in blue ink, appearing to read "H. Russell Frisby, Jr.", with a large, stylized flourish extending to the right.

H. Russell Frisby, Jr

HF:SMH

Enclosure

cc: Admiral James Arden Barnett, Jr.



# SMS911 Demonstration for the FCC

April 8<sup>th</sup>, 2011





# Agenda

- TCS Overview
- How can SMS work for 911?
- Challenges



# TCS Overview

*A World-Leader in Highly Reliable and Secure Mobile Communication Technology*

**Established in 1987**

- HQ: Annapolis, Maryland, USA
- Offices: USA and around the globe
- 1,100+ employees
- \$389M 2010 revenue
- NASDAQ: TSYS

CERTIFIED  
ISO 9001:2000



## Strategic Offers

- Messaging
- Location Infrastructure
- Navigation & LBS Applications
- Wireless & VoIP NG9-1-1
- Telematics
- End-to-End Satellite Solutions
- Cyber Security



**Operator – Public Safety – Government**





# Experts in Wireless E9-1-1

## TCS Market Leadership

- 57 operator networks worldwide
- Proven carrier grade high availability solutions
- Demonstrated first wireless E9-1-1 call
- Pioneered solution for VoIP E9-1-1
- Process ~50% of all wireless E9-1-1 calls in U.S.

### Location & Public Safety



- E9-1-1, VoIP 9-1-1, 9-1-1, Telematics
- Location Based Routing Platform
- Reference Network
- Assisted GPS
- Network & Handset based location
- Authenticated, Secure Services

### Messaging



- SMS Voting
- SMS Platform
- Wireless Gateway
- Web Portal
- Mobile Anti-spam
- Emergency Alerting /CMAS

\* Source: Frost & Sullivan Research



# Expertise in Text Messaging

- **US Text Messaging dominance**
  - TCS delivered nearly 900B text messages in 2010
  - TCS is averaging 2.5B text/day
  - Text Messaging Market Leader\*
  - Web-based portal and anti-spam SMS solutions

**#1 US-based Text Messaging Provider**

*\*Feb 2010 Portio Research; April 2010 Frost & Sullivan reports*

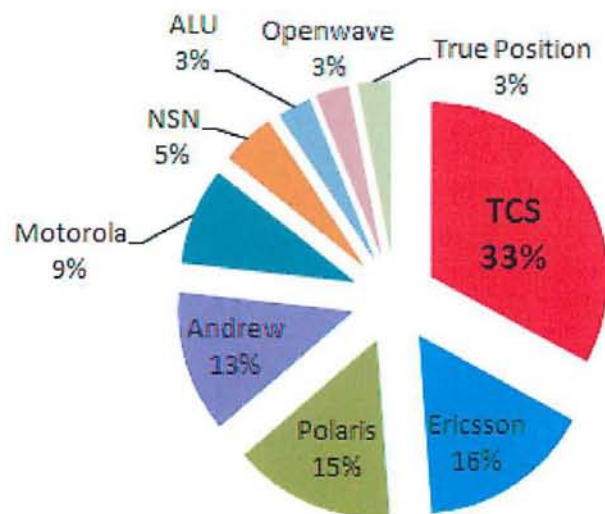




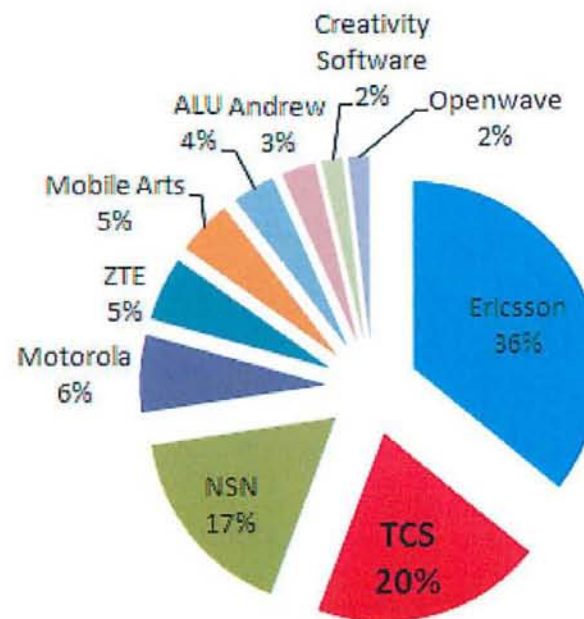
# Expertise in Location Technology

**"TCS is unique in that it provides a complete end-to-end LBS solution for mobile operators"**  
*-Frost & Sullivan 2/2010*

**PDE/SMMLC Global Market Share**



**GMLC/MPC Global Market Share**



Source: Berg Insight, 2010

**#1 in Precise Location Globally**







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- 
- Challenges